### DCCUMENT RESUME

ED 036 056 EF 001 875

TITLE SCHOOL CONSTRUCTION SUMMARY, FISCAL 1967.

INSTITUTION MICHIGAN STATE DEPT. OF EDUCATION, LANSING.

PUE DATE 67
NOTE 14P.

AVAILABLE FROM SCHOOL PLANT PLANNING SECTION, MICHIGAN DEPT. OF

EDUCATION, LANSING, MICHIGAN

EDRS PRICE

EDRS PRICE MF-\$0.25 HC NOT AVAILABLE FROM EDRS.

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SCHOOLS, MOBILE CLASSROOMS, \*SCHOOL CONSTRUCTION,

SCHOOL EXPANSION, \*SCHOOL PLANNING, SECONDARY

SCHCCLS, \*STATE PROGRAMS

AESTRACT

A TABULAR SUMMARY OF SCHOOL CCNSTRUCTION--PUBLIC AND NON PUBLIC--IN MICHIGAN FOR FISCAL YEAR 1967 IS PRESENTED. DISCUSSIONS OF SMALL PROJECTS APPROVALS, TRANSPORTABLE BUILDINGS, FUTURE CCNSTRUCTION, AND SPECIAL FACILITIES ARE INCLUDED. (FPO)



### DEPARTMENT OF EDUCATION SCHOOL PLANT PLANNING SECTION SCHOOL MANAGEMENT SERVICES

### School Construction Summary Fiscal 1967

During fiscal 1967, approvals were issued for 688 projects involving the construction of 4480 classrooms in all categories. Although the number of projects increased 16.75% for this fiscal year, the number of total classrooms decreased 10.2%. This may in some respect indicate the changing design of the classrooms into larger and more flexible areas of instruction.

### PUELIC SCHOOL CONSTRUCTION

This report includes in the category of secondary; all junior high, middle and intermediate schools.

At the elementary level a total of 367 projects were approved for construction. This total involved 60 new buildings, 296 additions to existing buildings, and 11 projects involving remodeling and rehabilitation. (Table I) There were 807 class-rooms provided in new facilities and 981 additional classrooms provided in existing attendance centers. (Table II) The total of elementary classrooms represents 45.2 of the public elementary and secondary count total.

In the secondary field 34 new buildings were approved for construction and 127 additions to existing secondary plants were approved. This construction provided 1,049 secondary classrooms in new facilities and 863 additional classrooms at existing secondary schools. In addition there were 27 remodeling projects at the secondary level.

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TABLE

## PROJECT BREAKDOWN - FISCAL 1967

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A&O - Administration & Operations N - New . 19 60

A - Additions R.- Remodeling

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TABLE II

CLASSROOM BREAKDOWN - FISCAL 1967

			New B	Buildings	25			Add11	Additions &	& Remod	Remodeling.				Totals	als			
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Aug.	128	151	99	7	0	0	136	8 <sub>6</sub>	٥	9	13	0	264	249	99	10	;~l	O	320
Sept.	62	617	46	0	0	0	133	27	0	7	rul	0	195	76	97	64	gran)	0	320
Oct.	89	42	0	0	0	0	80	73	೦	œ	0	30	59T	다 근 (	0	∞	0	30	322
Nov.	56	135	0	0	0	40	20	72	0	10	O	0	76	177	0	10	0	0%	303
Dec.	118	0	33	0	0	0	\$5	78	0	10	0	0	163	78	33	10	0	0	284
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March	<b>%</b>	193	O	37	0	42	88	85	10	49	0	0	147	285	75	43	0	42	527
April	50	84	13	10	0	Ģ	75	150	サ	31	0	O	125	244	17	41	0	C	427
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June	56	108	0	12	0	7.6	132	18	23	Ċ	Ó	0	188	189	23	12	6	16	437
Totals	807	1049	236	96	32	86	981	863	98	98	45	30	1788	1912	334	194	124	128	4480
E - Elementary	nentar	>																	) ) ·

E - Elementary S - Secondary H - Higher

### NON-PUBLIC SCHOOL CONSTRUCTION

A total of 14 new elementary schools and 27 additions were approved for construction. These projects provided 96 new classrooms at the new school and 98 additions to classrooms at existing elementary centers.

At the secondary level 5 new schools were approved providing 98 classrooms and secondary school additions provided 45 additional classrooms.

On a total basis 91.9 per cent of elementary and secondary classrooms construction was for public schools and 8.1 per cent for non-public schools. The total number of classrooms elementary & secondary approved for construction declined from 587 in fiscal 1966 to 318 in fiscal 1967.

### SMALL PROJECTS APPROVALS

Projects having a monetary worth of less than \$15,000 do not require the services of an architect under Michigan Law. These projects represent a wide range of school districts buildings activities. Projects such as bus garages, concession stands, room partitions, boiler replacement, pressbox, athletic stadium, fire safety remodeling, and heating plant renovations were among <u>81</u> such projects approved for construction in fiscal 1967.

### TRANSPORTABLE BUILDINGS

The use of transportable, relocatable, prefabricated, or mobile units increased tremendously in fiscal 1967. The number of projects increased from 78 in fiscal 1966 with a total of 173 classrooms to a rousing 190 projects including 366 classroom units in fiscal 1967. This represented 141.4% increase over the previous fiscal year. 8.1% of the total number of classrooms approved for construction in fiscal 1967 were portable units.



Transportable Buildings continued . . . . .

School districts faced with a shortage of classrooms turned to the portable units as an immediate solution. A number of reasons have caused this need, (1) failure of school bond issues; (2) delays in construction; (3) highly mobile population; (4) federal funds; (5) re-organization of school districts; (6) reduction in non-public school construction. Transportable units have the disadvantage of being physically separated from the main building and thus causing travel by students for library, services, physical education, cafeteria, music and similar areas of instruction.

### CONSTRUCTION FUTURE

Preliminary plans received in fiscal 1967 indicates that construction will continue at a high level in fiscal 1968. A number of districts which reorganized under Act 289 have submitted preliminaries or are planning secondary plants

An encouraging number (98) of special education rooms were approved for construction in fiscal 1967. Originally housed in temporary classrooms such as churches, and community centers, school plants at all levels are including facilities for special education.

Special attention will be given to school facilities in 1968. The School Plant Planning Section will carry out an extensive survey of all school facilities in the fall of 1968. Material assembled from school districts will include site, and building information.



### SPECIAL FACILITIES

In Table III special facilities are tabulated as totals for elementary, secondary, & higher education and extended as a single item.

Following are some specialized facilities which are increasing in number, but are included in the categories below. Planetariums, commons areas, field houses, cafeterias, central kitchens, greenhouses, and outdoor laboratories are all becoming part of the total school plant.

TABLE III
Special Facilities

	Public	Non-Public	<u>Total</u>
Multi-purpose room	71	29	100
Gymnasium	21	9	30
Library	84	31	115
Auditorium	10	4	14
Swimming Pool	12	3	1:5
Kitchen	67	15	82



### MIGHIGAN SCHOOL CONSTRUCTION REPORT

This is a statistical report on the volume of school construction in 1957. The gross volume was 638 approved projects\* including 4,718 classrooms at all levels. In Public Education there were 1660 Elementary, 2199 Secondary, and 453 Higher Education classrooms, approved for construction. In Non-public Education the respective figures were 183, 141, and 82.

### Tabular Presentation

Table I gives a project breakdown during calendar 1967. The data are listed according to grade level, cwnership, and type of project.

Table II presents data on classroom construction during the same period differentiating between those rooms provided in new plants and those provided through additions and remodeling.

Table III lists the special facilities provided for public schools during calendar 1967.

Table IV lists the special facilities provided for non-public schools during calendar 1967.

Table V gives the gross number of school construction projects by counties for calendar 1967.

Table VI gives the number of classrooms constructed by calendar years and an accumulative total.

Table VII lists the number of transportable mobile units for each year from 1959 to 1967.



<sup>\*</sup> Having a monetary worth in excess of \$15,060.

<sup>\*\*</sup> Does not include University of Michigan, Michigan State University, or Wayne State University construction.



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Project Breakdown - Calendar 1967

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E-Elementary S-Secondary H-Higher

Adm. & Opr. -Adminstration & Operation

N-Nev A-Addition R-Remodeling

### TABLE II

# CLASSROCH BREAKDOWN - CALENDAR 1967

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		NE	13	BUILLINGS	SCS		- V	ADDITIONS	SNO	& REP	REMODELING	LING			L	TOTALS	S.	-		CRANG TOTAL
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March	58	193	0	37	0	42	83	92	2	0	0	0		147	285	Ü	4.3	0	42	
April	20	78	13	9	0	0	75	160	4	31	0	0		125	244	17	41.	0	0	27.4
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TABLE III Public School Special Facilities 1967

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February	4	3	0	6	3	0	0	0	0	0	0	0	0	1	0	5	0
March	12	5	2	16	7	1	2	7	0	0	2	0	0	3	0	15	6
April	4	2	2	1	3	0	0	1	0	ο	1	0	0	1	0	10	6
May	13	4	4	5	2	2	1_	2	0	0	2	1	0	2	0	4	2
June	13	6	2	8	4	1	1	3	0	0	1	1	1	1	0	6	4
July	14	5	0	5	7	1	Ţ	5	Ü	0	4	0	0	4	0	4	5
August	12	3	1	6	3	2	1	3	0	O	0	Q	0	0	1	6	2
September	6	5	0	5	3	0	0	4	C	3	2	0	2	2	a	3	5
<b>October</b>	3	8	2	7	3	0	0	2	0	0	4	2	2	2	0	5	4
November	10	9	0	10	6	0	4	5	0	0	2	1	1	2	0	3	3
December	6	2	3	1	1	0	0	1	0	1	0	0	0	1	0	3	0.
TOTAL 1967	101	57	16	75	49	7	10	37	0	1	19	6	4	22	1	69	41
TOTAL 1966 TOTAL 1965	103 97	55 52	11	101 102		1. 3	9 7	45 29	4 2	6 2	22 8	2 2	2 0	24 8	0 2	46 54	 38 5 <b>5</b>

Key: E-Elementary S-Secondary H-Higher



TABLE IV
Non-Fublic School Special Facilities
1967

Month	. I.1b:	rary	<u> </u>	4 -	lti- cpose	2	Gym	así:	1172	Aaso	ii.to	rium	Sw: Po	ing ool	numerit.	Ki	tchen
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January	2	2	0	1	0	0	0	1	0	0	0	0	0	0	0	1	1
February	2	2	0	1	2	0	0	1	0	0	0	0	0	0	0	0	1
March	3	0	1	0	0	0	0	1	0	0	0	1	0	0	1.	0	0
April	5	0	0	5	0	0	1	0	o	0	0	0	0	0	0	4	0
May	0	2	0	2	1	0	0	1	0	0	1	G	0	0	0	2 ·	0
June	1	1	0	1	1	0	0	2	0	0	0	0	0	0	0	1	0
July	4	0	1	4	0	1	0	0	0-	0	0	0	o	0	0	1	0
August	0	1	2	1	0	0	0	1	1	0	0	1	0	0	0	0	2
September	0	0	0	2	1	0	0	1	0	0	0	0	0	0	0	2	O
October	0	1	0	0	2	0	1	1	1	0	0	0	C	0	0	1	1
November	0	0	0	1	0	0	0	0	อ	0	0	O	0	C	0	0	0
December	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
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Key: E-Elementary S-Secondary H-Higher



TABLE V
School Construction Projects by County - Calendar 1967

	Public	Non-Public		Public Mon-Public
Alcona	0	0	Mackinac	1 0
Algor	G	0	Macomb	84 2
Allegan	7	1	Manistee	1 0
Alpena	1	0	Marquette	5 0
Antrim	3	0	Mason	0 0
Arenac	0	ប	Mecosta	7 0
Baraga	2	0	Menominee	3 0
Barry	O	0	Midland	2 0
Bay	3	2	Missaukee ·	0 0
Benzie	0	0	Monroe	4 1
Berrien	9	4	Montcalm	11 0
Branch	0	0	Montmorency	0 0
Calhoun	3	1	Muskegon	16 0
Cass	0	0	Пемаудо	2 0
Charlevoix	1	O	Oakland	93 8
Cheboygan	1	0	Oceane	4 0
Chippewa	0	0	Ogeman	1 0
Clare	2	0	Ontonagon	0 0
Clinton	8	O	Osceola	1 0
Crawford	0	0	Oscoda	0 0
Delta	0	0	Otsego	0 0
Dickinson	1	0	Ottava	8 2
Baton	8	0	Presque Isle	0 0
Genesee	26	4	Roscommon	3 0
Gladwin	3	0	Saginaw	22 3
Gogebic	0	1	St. Clair	4 1
Grand Traverse	1	O	St. Joseph	0 0
Gratiot	10	0	Sanilac	2 1
Hillsdale	2	0	Schoolcraft	1 0
Houghton	0	0	Shiawassee	7 0
Hurca	б	0	Tuscola	4 0
Ingham	25	1	Van Euren	3 1
Ionia	3	0	Washtenaw	22 3
Iosco	4	O.	Wayne	53 1.7
<b>Is</b> ubella	2	0	Wexford	1 1
Jackson	12	2		<b>1 1</b>
Kalemazoo	20	3	TOTALS	638
Kalkaska	2	0-		<b>43</b> 0
Kent	15	8		
Koweenaw	1	0		
Lake	0	0		
Lapeer	4	1		
Leelanau	2	0		
Lenswee	6	1		makin .
Livingston	8	0		
Ince	0	0		



TABLE VI
School Construction by Calendar Year
(Classrooms)

		PUBLIC	PROPERTY OF SECURITY OF SEC				Non-P	ÚBLIC	
Year	Elem.	Sec.	Total	Cum. Total	Year	Elem.	Sec.	Total	Cum. Total
1957	2210	1478	3688		1957	271	131	402	
1958	1422	1599	3021	6,709	1958	371	99	470	872
1959	1709	1460	3169	9,878	1959	331	184	<b>515</b>	1,387
1960	1733	1883	3616	13,494	1960	269	107	376	1,763
1961	1345	1188	2533	16,027	1951	263	3.47	410	2,173
1962	1180	1644	2824	18,851	1962	318	119	437	2,610
1963	1785	1198	2983	21,834	1963	322	284	606	3,216
1964	1379	2147	3526	25,360	1964	263	75	338	3,554
1965	1839	1523	3362	28,722	1965	284	272	55 <b>6</b>	4,110
1966	1816	1982	3798	32,520	1966	207	1.25	332	4,442
1967	1660	2199	3859	36,379	1967	183	141	324	4,766

### TABLE VII Transportable Mobile Units

1959	5	1963	9
1960	7	1964	39
1961	0	1965	105
1962	8	1966	309
		1967	384

GRAND TOTAL 866



### TEN YHAR SUMMARY

Projects - Classrooms - Public

Fiscal Yr.	Elemen	Lary	Second	dary	Tota	21
	Projects	Rooms	Projects	Rooms	Projects	Room
1958	290	1767	137	1270	197	
1959	210	1457	131	1378 15 <b>9</b> 8	427 341	3145
1960	249	1850	145	1709	394	3055 3555
1961	234	1497	127	1446	361	294:
1962	188	1227	123	1262	311	248
1963	227	1492	149	1710	376	320
1964	242	<b>162</b> 0	126	1600	368	322
1965	229	1541	141	1700	370	324
1966	260	1761	169	1864	429	362
1967	367	1788	188	1912	555	370
TOTAL	2496	16000	1436	16179	3932	32179

### Projects - Classrooms - Nonpublic

Piscal Yr.	Blemen	tary	Secon	dery	Tot	al
	Projects	Rooms	Projects	Rooms	Projects	Rooms
1958	66	<b>33</b> 6	16	127	82	463
1959	59	323	12	121	71	444
1960	64	330	20	157	84	487
1961	54	258	10	94	64	352
1962	61	303	13	131	74	434
1963	52	313	21	199	73	512
1964	49	293	26	240	75	533
1965	44	<b>2</b> 66	17	110	61	376
1966	55	286	21	301	76	587
1967	51	194	16	124	67	318
TOTAL	555	2902	172	1604	727	4506